

# INTERNATIONAL SEARCH REPORT

Rec'd PCT/PTC 23 MAR 2005

International Application No  
PCT/PT 03/50646

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 B60S1/40 B60S1/38

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B60S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 804 923 A (JOURNEE PAUL SA) 17 August 2001 (2001-08-17)	1-7,9
Y	page 21, line 1 -page 22, line 30; figures 16,17	8,10
Y	EP 0 267 010 A (TRICO FOLBERTH LTD) 11 May 1988 (1988-05-11)	8
A	column 2, line 26 -column 4, line 11 figures 1-6	1
Y	FR 2 788 027 A (VALEO SYSTEMES ESSUYAGE) 7 July 2000 (2000-07-07)	10
A	page 11, line 19-25; figure 1 page 6, line 3 -page 9, line 9	1-9
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the International search

6 February 2004

Date of mailing of the International search report

16/02/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02 34594 A (BREESCH FRANS ; VANGEEL TOM (BE); BASEOTTO MICHEL (BE); VERELST HUB) 2 May 2002 (2002-05-02) column 8, paragraph 2 -column 10, paragraph 1; figures 4,5 -----	1-7,9
X	WO 02 053421 A (BEELEN HANS ; BREESCH FRANS (BE); GELING JOHNNY (BE); HERINCKX DIRK) 11 July 2002 (2002-07-11) page 9, line 16 -page 14, line 22; figures 2-9 -----	1,5
A	FR 2 781 741 A (VALEO SYSTEMES ESSUYAGE) 4 February 2000 (2000-02-04) page 3, line 18 -page 4, line 32; figures 1,2 -----	10
A	FR 2 781 741 A (VALEO SYSTEMES ESSUYAGE) 4 February 2000 (2000-02-04) page 3, line 18 -page 4, line 32; figures 1,2 -----	1-10
A	US 4 418 441 A (VAN DEN BERG JOHAN H) 6 December 1983 (1983-12-06) column 3, line 39-49; figure 10 -----	1-10

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PO 03/50646

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2804923	A	17-08-2001	FR 2804923 A1	17-08-2001
EP 0267010	A	11-05-1988	AU 618724 B2	09-01-1992
			AU 8087187 A	12-05-1988
			BR 8705977 A	14-06-1988
			DE 3789655 D1	26-05-1994
			DE 3789655 T2	01-12-1994
			EP 0267010 A2	11-05-1988
			ES 2058123 T3	01-11-1994
			GB 2197023 A ,B	11-05-1988
			JP 2694952 B2	24-12-1997
			JP 63172009 A	15-07-1988
			KR 9502507 B1	21-03-1995
			ZA 8708122 A	25-01-1989
FR 2788027	A	07-07-2000	FR 2788027 A1	07-07-2000
			BR 9916712 A	25-09-2001
			EP 1140592 A1	10-10-2001
			WO 0040444 A1	13-07-2000
			JP 2002534311 T	15-10-2002
			US 6599051 B1	29-07-2003
WO 0234594	A	02-05-2002	AU 1814602 A	06-05-2002
			AU 2050202 A	06-05-2002
			AU 2050402 A	06-05-2002
			AU 2050502 A	06-05-2002
			AU 2050602 A	06-05-2002
			CN 1471481 T	28-01-2004
			CN 1471482 T	28-01-2004
			WO 0234590 A1	02-05-2002
			WO 0234592 A1	02-05-2002
			WO 0234593 A1	02-05-2002
			WO 0234594 A1	02-05-2002
			WO 0234595 A1	02-05-2002
			DE 10194661 D2	09-10-2003
			DE 10194663 D2	02-10-2003
			DE 10194664 D2	02-10-2003
			DE 10194665 D2	09-10-2003
			DE 10194667 D2	02-10-2003
			EP 1334014 A1	13-08-2003
			EP 1332075 A1	06-08-2003
			EP 1332076 A1	06-08-2003
			EP 1332077 A1	06-08-2003
			EP 1332078 A1	06-08-2003
			US 2003182753 A1	02-10-2003
WO 02053421	A	11-07-2002	DE 10065124 A1	04-07-2002
			WO 02052917 A2	11-07-2002
			WO 02053421 A1	11-07-2002
			EP 1347895 A1	01-10-2003
FR 2781741	A	04-02-2000	FR 2781741 A1	04-02-2000
US 4418441	A	06-12-1983	FR 2491847 A1	16-04-1982
			BE 890727 A1	14-04-1982
			CA 1188862 A1	18-06-1985
			DE 3140878 A1	16-06-1982
			DE 8130079 U1	11-03-1982

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP90/03/50646

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4418441	A	ES 269204 Y	16-01-1984
		GB 2089199 A ,B	23-06-1982
		IT 1144843 B	29-10-1986
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